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April 20, 2009

Mr. Scott Miller
U.S. Environmental Protection Agency, Region IV
4WD-SRTMB
61 Forsyth Street, S.W.
Atlanta, Georgia 30303-3104

VIA EMAIL

Subject: March 2009 Monthly Progress Report

Dear Mr. Miller:

On behalf of Beazer East, Inc. (Beazer), attached is the March 2009 Monthly Progress Report for the Cabot Carbon/Koppers Superfund Site in Gainesville, Florida, as required by 1991 Unilateral Administrative Order (UAO) and the 1994 UAO Amendment. If you have any questions or comments, please contact me.

Sincerely,



Gregory W. Council, P.E.
Principal Engineer

cc: Kelsey Helton, Florida DEP
John Mousa, Alachua County EPD
Rick Hutton, Gainesville Regional Utilities
John Herbert, Jones Edmunds
Penny Salisbury, Koppers
Jack Spicuzza, Koppers
Joyce Fankulewski, Koppers
Mitchell Brourman, Beazer
Mike Slenska, Beazer
Donna Kopach, Beazer
Jim Erickson, GeoTrans
Guy Roemer, GeoTrans

March 2009
MONTHLY PROGRESS REPORT
Cabot Carbon/Koppers Superfund Site
Gainesville, Florida

1. Description of actions taken to comply with the Unilateral Administrative Order (March 1991) and estimate of the percentage of the RD/RA completed:

- Beazer's Operation and Maintenance (O&M) Contractor performed routine treatment plant operation and maintenance services for the ground water remedial system.
- Actions related to the Second (2006) Five-Year Review recommendations are being performed through 2009.

2. Summary of results of sampling and tests and all other data during the month:

- Instantaneous flow rates and totalizer volumes were measured in each extraction well.
- Passive NAPL recovery continues: 7.9 gallons of NAPL were bailed from Upper Hawthorn wells during the past month (3 recovery events). A total of 321.11 gallons have been bailed since the start of the NAPL recovery program on June 19, 2004. The two-week recovery schedule was started October 25, 2005. The attached table provides details of the NAPL recovery volumes by well and date.
- A total of 686,000 gallons of ground water were recovered by the Surficial Aquifer extraction system during the past month (operating period of 627.4 hours). The water was treated and discharged to the Gainesville Regional Utilities (GRU). The average recovery rate for the month was approximately 18.2 gallons per minute (gpm).

3. Summary of all plans, reports, deliverables and procedures completed:

- Completed monthly maintenance check.
- Inspected piezometers, extraction wells, piping, valves, treatment plant vessels and controls, buildings and grounds.
- Replaced pumps at EW-2 and EW-8.
- Cleaned FeCl pump and injectors.
- Removed old effluent pipe and installed new piping.
- Started treatment plant expansion/upgrades.
- Began site preparation for installation of new Surficial Aquifer groundwater collection drains and soil solidification/stabilization pilot test.
- Advanced 13 Hawthorn borings (UHB-1 through UHB-11 and LHB-1 and LHB-2) along the eastern property boundary.
- Started offsite Hawthorn monitoring well installation at HG-27.
- Performed first quarter Upper Floridan Aquifer sentinel well sampling the week of March 2nd.
- Submitted 2008 Annual Stage 2 Groundwater Monitoring Report.

4. Projected work for the next month (April 2009) with schedule considerations:

- Please see the attached draft schedule. Note that this is a working schedule and is likely to change.
- Measure instantaneous flow rates and totalizer volumes for each extraction well.
- Continue NAPL removal from Hawthorn Group wells on a two-week schedule.
- Continue treatment plant expansion/upgrades.
- Install new Surficial Aquifer groundwater collection drains
- Begin soil solidification/stabilization pilot test.
- Continue offsite Hawthorn monitoring well installation.

5. Summary of problems or potential problems and actual or anticipated delays encountered during the month:

- None this reporting period.

6. Actions being taken to rectify problems or delays:

- None this reporting period.

7. Supplemental information:

- Please see the attached draft schedule. Note that this is a working schedule and is likely to change.

8. Changes in personnel during this month:

- None this reporting period.

Hawthorn Group Passive NAPL Recovery (Page 1 of 4)

Well	HG-9S		HG-10S		HG-10D		HG-11S		HG-12S		HG-12D		HG-15S		HG-16S		HG-16D		FW-6		Total Vol. removed (gal)	
	Date	Thickness (ft)	Vol. Removed (gal)																			
6/19/2004	0.25			2.42		0.17		2.74		1.04		1.13		NM		1.08		NM		NM		-
7/7/2004	0.4			3.25		Stain		2.44		Stain		Stain		ND		0.75		ND		ND		-
7/20/2004	NM	0.1		3.24	0.8	ND	0	3.08	0.8	1.74	0.2	NM	Trace	NM	NM	1.74	0.1	NM	NM	NM	NM	2
8/3/2004	ND	0		3.29	0.3	ND	0	2.78	0.3	2.39	Trace	ND	0	ND	0	1.38	0.65	ND	0	ND	0	1.25
8/10/2004	ND	Trace	1.2	0.3	ND	0	2.69	0.4	2.25	0.5	NM	0	ND	0	0.5	0.2	ND	0	ND	0	1.4	
8/17/2004	NM	0		3.03	0.7	NM	0	3.16	0.8	2.37	0.6	NM	0	ND	0	1.4	0.6	ND	0	ND	0	2.7
8/24/2004	NM	0		3.01	0.6	NM	Trace	1.27	0.4	0.39	0.3	NM	Trace	ND	0	1.24	0.3	ND	0	ND	0	1.6
8/31/2004	ND	0		2.87	0.2	ND	0	1.36	0.1	1.32	0.1	ND	0	ND	0	NM	0.1	ND	0	ND	0	0.5
9/8/2004	NM	0		2.09	0.6	NM	0	2.03	0.5	1.38	0.5	NM	0	ND	0	NM	0	ND	0	ND	0	1.6
9/14/2004	ND	0		3.21	0.5	NM	0	0.61	0.1	2.49	0.4	MN	0	1.94	0.3	1.9	0.3	ND	0	ND	0	1.6
9/21/2004	NM	0		2.76	0.6	NM	0	0.5	0.1	0.68	0.1	ND	0	NM	0	2.24	0.1	ND	0	ND	0	0.9
9/28/2004	ND	0		2.64	0.5	ND	0	1.88	0.2	1.15	0.2	NM	0	0.82	0.1	NM	0	ND	0	ND	0	1
10/5/2004	ND	0		4.85	0.8	Stain	0	1.3	0.25	1.6	0.3	ND	0	0.37	0.06	2.09	0.3	ND	0	ND	0	1.71
10/12/2004	ND	0		3.46	0.4	ND	0	3.12	0.4	1.88	0.3	ND	0	1.97	0.1	Stain	0.1	ND	0	ND	0	1.3
10/20/2004	ND	0		2.33	0.4	ND	0	2.58	0.4	1.27	0.2	ND	0	1.4	0.2	Stain	0.1	ND	0	ND	0	1.3
10/26/2004	ND	0		3.65	0.6	ND	0	3.94	0.6	1.89	0.3	ND	0	2.37	0.4	3.48	0.6	ND	0	ND	0	2.5
11/2/2004	ND	0		2.8	0.5	ND	0	3	0.5	2.4	0.4	ND	0	1.07	0.2	2.15	0.3	ND	0	ND	0	1.9
11/9/2004	ND	0		2.74	0.5	ND	0	2.16	0.4	2.51	0.4	ND	0	1.69	0.3	1.26	0.2	ND	0	ND	0	1.8
11/16/2004	ND	0		2.57	0.4	ND	0	2.38	0.4	1.37	0.2	ND	0	0.5	0.1	1.11	0.2	ND	0	ND	0	1.3
11/23/2004	Stain	0		3.16	0.5	Slt. Stain	0	3.23	0.5	1.86	0.3	ND	0	1.4	0.2	1.85	0.3	ND	0	ND	0	1.8
11/30/2004	ND	0		2.21	0.4	ND	0	3.77	0.6	2.2	0.4	ND	0	1.74	0.3	2.35	0.4	ND	0	ND	0	2.1
12/8/2004	ND	0		3.08	0.5	ND	0	3.24	0.5	1.8	0.3	ND	0	1.23	0.2	1.84	0.3	ND	0	ND	0	1.8
12/14/2004	ND	0		3.34	0.5	ND	0	3.92	0.6	2.16	0.3	ND	0	1.48	0.2	2.33	0.4	ND	0	ND	0	2
1/5/2005	ND	0		3.57	0.6	ND	0	5.51	0.9	2.8	0.4	ND	0	2.37	0.4	3.59	0.6	ND	0	ND	0	2.9
1/11/2005	ND	0		2.68	0.4	ND	0	3.41	0.6	1.82	0.3	ND	0	1.77	0.3	1.89	0.3	ND	0	ND	0	1.9
1/20/2005	ND	0		2.82	0.5	ND	0	3.03	0.5	1.63	0.3	ND	0	1.46	0.2	1.62	0.2	ND	0	ND	0	1.7
1/27/2005	ND	0		3.14	0.5	ND	0	3.73	0.6	2.04	0.3	ND	0	1.9	0.3	2.12	0.4	ND	0	ND	0	2.1
2/8/2005	ND	0		3.44	0.5	ND	0	4.77	0.8	2.57	0.4	ND	0	2.35	0.4	3.42	0.6	ND	0	ND	0	2.7
2/15/2005	ND	0		3.5	0.6	ND	0	5.38	0.9	2.85	0.5	ND	0	2.56	0.4	3.21	0.5	ND	0	ND	0	2.9
2/22/2005	ND	0		2.67	0.4	ND	0	3.69	0.6	2.05	0.3	ND	0	1.8	0.3	1.49	0.2	ND	0	ND	0	1.8
3/1/2005	ND	0		3.12	0.5	ND	0	4.43	0.7	2.45	0.4	ND	0	2.16	0.3	2.69	0.4	ND	0	ND	0	2.3
3/11/2005	ND	0		2.67	0.4	ND	0	3.48	0.6	1.9	0.3	ND	0	1.5	0.2	1.95	0.3	ND	0	ND	0	1.8
3/15/2005	ND	0		2.6	0.4	ND	0	3.57	0.6	1.87	0.3	ND	0	1.39	0.2	1.82	0.3	ND	0	ND	0	1.8
3/22/2005	ND	0		2.26	0.4	ND	0	3.5	0.6	2.06	0.3	ND	0	2.05	0.3	1.29	0.2	ND	0	ND	0	1.8
3/29/2005	ND	0		2	0.3	ND	0	2.38	0.4	2.1	0.3	ND	0	2.33	0.4	2.91	0.5	ND	0	ND	0	1.9
4/6/2005	ND	0		2.61	0.4	ND	0	2.74	0.4	1.4	0.2	ND	0	1.92	0.3	1.38	0.2	ND	0	ND	0	1.5
4/14/2005	ND	0		3.24	0.5	ND	0	3.29	0.5	1.37	0.2	ND	0	1.92	0.3	1.33	0.2	ND	0	ND	0	1.7
4/19/2005	ND	0		2.64	0.4	ND	0	3.34	0.5	1.75	0.3	ND	0	1.66	0.3	1.84	0.3	ND	0	ND	0	1.8
4/27/2005	ND																					

Hawthorn Group Passive NAPL Recovery (Page 2 of 4)

Well	HG-9S		HG-10S		HG-10D		HG-11S		HG-12S		HG-12D		HG-15S		HG-16S		HG-16D		FW-6		Total Vol. removed (gal)
	Date	Thickness (ft)	Vol. Removed (gal)																		
8/9/2005	ND	0	1.52	0.2	ND	0	0.65	0.1	0.98	0.2	ND	0	1.9	0.3	1.59	0.3	ND	0	ND	0	1.1
8/16/2005	ND	0	1.55	0.2	ND	0	0.62	0.1	0.86	0.1	ND	0	2.04	0.3	1.46	0.2	ND	0	ND	0	0.9
8/23/2005	ND	0	1.57	0.3	ND	0	0.83	0.1	1.06	0.2	ND	0	2.14	0.4	1.68	0.3	ND	0	ND	0	1.3
8/30/2005	ND	0	1.71	0.3	ND	0	1.17	0.2	1.11	0.2	ND	0	1.83	0.3	1.93	0.3	ND	0	ND	0	1.3
9/7/2005	ND	0	1.57	0.3	ND	0	1.1	0.2	1.03	0.2	ND	0	1.85	0.3	1.94	0.3	ND	0	ND	0	1.3
9/13/2005	ND	0	1.2	0.2	ND	0	1.02	0.2	0.76	0.1	ND	0	1.64	0.3	1.67	0.3	ND	0	ND	0	1.1
9/20/2005	ND	0	1.05	0.2	ND	0	0.96	0.2	0.61	0.1	ND	0	1.49	0.2	1.63	0.3	ND	0	ND	0	1
9/27/2005	ND	0	0.92	0.1	ND	0	1.17	0.2	1.22	0.2	ND	0	1.34	0.2	1.23	0.2	ND	0	ND	0	0.9
10/4/2005	ND	0	0.97	0.2	ND	0	1.06	0.2	1.16	0.2	ND	0	1.24	0.2	1.14	0.2	ND	0	ND	0	1
10/11/2005	ND	0	1.17	0.2	ND	0	0.99	0.2	1.06	0.2	ND	0	1.14	0.2	1.22	0.2	ND	0	ND	0	1
10/25/2005	ND	0	1.21	0.2	ND	0	1.17	0.2	1.1	0.2	ND	0	1.32	0.2	1.34	0.2	ND	0	ND	0	1
11/8/2005	ND	0	1.4	0.2	ND	0	1.24	0.2	1.22	0.2	ND	0	1.34	0.2	1.37	0.2	ND	0	ND	0	1
11/30/2005	ND	0	1.42	0.2	ND	0	1.28	0.2	1.17	0.2	ND	0	1.4	0.2	1.45	0.2	ND	0	ND	0	1
12/14/2005	ND	0	1.43	0.2	ND	0	1.33	0.2	2.95	0.5	ND	0	1.53	0.2	1.39	0.2	ND	0	ND	0	1.3
1/3/2006	ND	0	1.59	0.3	ND	0	1.57	0.3	3.15	0.5	ND	0	1.7	0.3	1.5	0.2	ND	0	ND	0	1.6
1/19/2006	ND	0	3.76	0.6	stain	0	3.25	0.5	3.98	0.6	ND	0	3.01	0.5	2.85	0.5	ND	0	ND	0	2.7
2/10/2006	ND	0	3.01	0.5	ND	0	2.68	0.4	3.65	0.6	ND	0	2.8	0.5	2.59	0.4	ND	0	ND	0	2.4
2/23/2006	ND	0	3.08	0.5	ND	0	2.73	0.4	3.2	0.5	ND	0	2.84	0.5	2.68	0.4	ND	0	ND	0	2.3
3/7/2006	ND	0	2.61	0.4	ND	0	2.68	0.4	3.46	0.6	ND	0	2.02	0.3	2.49	0.4	ND	0	ND	0	2.1
3/21/2006	ND	0	2.46	0.4	ND	0	2.55	0.4	3.35	0.5	ND	0	1.74	0.3	2.22	0.4	ND	0	ND	0	2
4/4/2006	ND	0	2.26	0.4	ND	0	1.67	0.3	1.87	0.3	ND	0	2.3	0.4	2.23	0.4	ND	0	ND	0	1.8
4/18/2006	ND	0	2.15	0.4	ND	0	2.38	0.4	2.74	0.4	ND	0	2.34	0.4	2.48	0.4	ND	0	ND	0	2
5/3/2006	ND	0	2.01	0.3	ND	0	2.46	0.4	2.5	0.4	ND	0	2.34	0.4	2.99	0.5	ND	0	ND	0	2
5/17/2006	ND	0	5.64	0.9	ND	0	5.64	0.9	6	1	ND	0	6.74	1.1	5.82	0.9	ND	0	ND	0	4.8
5/30/2006	ND	0	3.12	0.5	ND	0	2.75	0.4	3.06	0.5	ND	0	2.43	0.4	2.45	0.4	ND	0	ND	0	2.2
6/15/2006	ND	0	3.27	0.5	ND	0	2.87	0.5	3.12	0.5	ND	0	2.58	0.4	2.59	0.4	ND	0	ND	0	2.3
6/27/2006	ND	0	2.8	0.5	ND	0	1.87	0.3	2.55	0.4	ND	0	2.34	0.4	1.99	0.3	ND	0	ND	0	1.9
7/13/2006	ND	0	2.96	0.5	ND	0	2.08	0.3	2.67	0.4	ND	0	2.5	0.4	2.23	0.4	ND	0	ND	0	2
7/25/2006	ND	0	3.07	0.5	ND	0	1.98	0.3	2.73	0.4	ND	0	2.6	0.4	2	0.3	ND	0	ND	0	1.9
8/8/2006	ND	0	2.26	0.4	ND	0	1.98	0.3	2.31	0.4	ND	0	2.01	0.3	2.05	0.3	ND	0	ND	0	1.7
8/22/2006	ND	0	2.11	0.3	ND	0	2.18	0.4	2.36	0.4	ND	0	2.28	0.4	2.31	0.4	ND	0	ND	0	1.9
9/5/2006	ND	0	2.26	0.4	ND	0	2.14	0.3	2.56	0.4	ND	0	2.46	0.4	2.43	0.4	ND	0	ND	0	1.9
9/19/2006	ND	0	2.47	0.4	ND	0	2.28	0.4	2.62	0.4	ND	0	2.66	0.4	2.49	0.4	ND	0	ND	0	2
10/3/2006	ND	0	2.51	0.4	ND	0	2.31	0.4	2.59	0.4	ND	0	2.7	0.4	2.62	0.4	ND	0	ND	0	2
10/17/2006	ND	0	2.56	0.4	ND	0	2.33	0.4	2.62	0.4	ND	0	2.71	0.4	2.54	0.4	ND	0	ND	0	2
10/31/2006	ND	0	2.41	0.4	ND	0	2.24	0.4	2.56	0.4	ND	0	2.64	0.4	2.49	0.4	ND	0	ND	0	2
11/14/2006	ND	0	2.57	0.4	ND	0	2.29	0.4	2.67	0.4	ND	0	2.7	0.4	2.54	0.4	ND	0	ND	0	2
11/28/2006	ND	0	1.92	0.3	ND	0	2.19	0.4	2.12	0.4	ND	0	2.52	0.4	2.23	0.4	ND	0	ND	0	1.9
12/12/2006	ND	0	1.97	0.3	ND	0	2.24	0.4	2.16												

Hawthorn Group Passive NAPL Recovery (Page 3 of 4)

Well	HG-9S		HG-10S		HG-10D		HG-11S		HG-12S		HG-12D		HG-15S		HG-16S		HG-16D		FW-6		Total Vol. removed (gal)
	Date	Thickness (ft)	Vol. Removed (gal)																		
7/26/2007	stain	0	1.95	0.25	stain	0	12.45	2.75	7.45	1	ND	0	7.58	0.6	3.98	0.25	ND	0	ND	0	4.85
8/8/2007	stain	0	1.13	0.25	stain	0	12.38	2.5	7.05	1	ND	0	10.14	0.75	3.68	0.25	ND	0	ND	0	4.75
8/21/2007	stain	0	2.23	0.25	stain	0	10.34	2.25	5.98	1.25	ND	0	11.51	0.75	2.27	0.25	ND	0	ND	0	4.75
9/5/2007	stain	0	2	1.25	stain	0	7.7	1.5	5.31	1	ND	0	12.54	1	4.64	0.5	ND	0	ND	0	5.25
9/19/2007	stain	0	0.42	0.2	stain	0	2.98	0.4	2.97	0.3	ND	0	2.5	0.4	0.54	0.1	ND	0	ND	0	1.4
10/3/2007	stain	0	1.02	0.1	stain	0	7.6	1.5	4.53	0.75	ND	0	15.75	0.75	6.07	1.5	ND	0	ND	0	4.6
10/16/2007	stain	0	1.45	0.25	stain	0	6.46	0.5	4.61	0.25	ND	0	14.36	2	3.39	1	ND	0	ND	0	4
10/30/2007	stain	0	1.05	0.25	stain	0	5.18	0.6	3.12	0.5	ND	0	9.26	1.75	1.65	0.6	ND	0	ND	0	3.7
11/13/2007	stain	0	1.61	0.3	stain	0	5.04	0.8	3.01	0.4	ND	0	8.84	1.5	1.74	0.65	ND	0	ND	0	3.65
11/28/2007	stain	0	1.16	0.2	stain	0	5.24	0.85	2.95	0.4	ND	0	8.59	1.5	1.44	0.4	ND	0	ND	0	3.35
12/11/2007	stain	0	1.82	0.25	stain	0	4.88	0.65	2.98	0.4	ND	0	8.75	1.7	1.22	0.3	ND	0	ND	0	3.3
12/28/2007	stain	0	2.14	0.3	stain	0	5.4	0.8	3.39	0.5	ND	0	8.8	1.6	2.44	0.3	ND	0	ND	0	3.5
1/9/2008	stain	0	2.07	0.3	stain	0	4.81	0.8	3.76	0.5	ND	0	8.75	1.4	1.33	0.3	ND	0	ND	0	3.3
1/21/2008	stain	0	1.91	0.2	stain	0	4.64	0.6	2.86	0.4	ND	0	8.77	1.4	2.36	0.4	ND	0	ND	0	3
2/5/2008	stain	0	2.06	0.25	stain	0	5	1	3.18	0.5	ND	0	8.7	1.3	2.34	0.3	ND	0	ND	0	3.35
2/19/2008	ND	0	2.26	0.2	stain	0	4.45	0.9	3.26	0.5	ND	0	8.76	1.3	2.62	0.4	ND	0	ND	0	3.3
3/4/2008	stain	0	NM	0	NM	0	4.27	0.7	3.24	0.5	ND	0	8.24	1.25	2.53	0.3	ND	0	ND	0	2.75
3/20/2008	stain	0	NM	0	NM	0	4.5	0.9	3.16	0.4	ND	0	8.51	1.25	2.35	0.4	ND	0	ND	0	2.95
4/1/2008	stain	0	NM	0	NM	0	4.04	0.6	2.93	0.5	ND	0	7.95	1.2	2.42	0.4	ND	0	ND	0	2.7
4/16/2008	stain	0	NM	0	NM	0	4.43	0.7	2.72	0.4	ND	0	8.04	1.2	1.95	0.4	ND	0	ND	0	2.7
4/29/2008	stain	0	NM	0	NM	0	4.27	0.75	2.57	0.4	ND	0	8.29	1.1	1.56	0.4	ND	0	ND	0	2.65
5/13/2008	stain	0	NM	0	NM	0	4	0.75	2.79	0.5	ND	0	8.1	1.2	1.79	0.3	ND	0	ND	0	2.75
5/27/2008	stain	0	NM	0	NM	0	3.98	0.9	2.58	0.4	ND	0	7.9	1.2	1.57	0.3	ND	0	ND	0	2.8
6/10/2008	stain	0	NM	0	NM	0	3.84	0.7	2.72	0.4	ND	0	7.94	1.2	1.43	0.4	ND	0	ND	0	2.7
6/24/2008	stain	0	NM	0	NM	0	3.91	0.6	2.52	0.4	ND	0	7.76	1.1	1.42	0.3	ND	0	ND	0	2.4
7/10/2008	stain	0	NM	0	NM	0	3.99	0.7	3.15	0.4	ND	0	7.73	1	1.89	0.4	ND	0	ND	0	2.5
7/24/2008	stain	0	NM	0	NM	0	5.39	0.9	3.26	0.5	ND	0	8.38	1.1	1.83	0.3	ND	0	ND	0	2.8
8/7/2008	stain	0	NM	0	NM	0	4.38	0.75	2.85	0.3	ND	0	8.38	1.1	1.44	0.4	ND	0	ND	0	2.55
8/19/2008	stain	0	NM	0	NM	0	3.76	0.7	2.83	0.4	ND	0	8.27	1.1	1.16	0.3	ND	0	ND	0	2.5
9/3/2008	stain	0	stain	0	stain	0	4.34	0.7	2.83	0.4	ND	0	8.35	1.1	1.26	0.25	ND	0	ND	0	2.45
9/16/2008	stain	0	stain	0	stain	0	3.98	0.75	2.79	0.4	ND	0	8.6	1	1.32	0.25	ND	0	ND	0	2.4
9/30/2008	stain	0	0.59	0.1	stain	0	3.9	0.7	3.03	0.3	ND	0	7.97	1.1	1.39	0.3	ND	0	ND	0	2.5
10/14/2008	stain	0	1.17	0.1	stain	0	4.04	0.75	2.68	0.4	ND	0	7.96	1.1	1.52	0.3	ND	0	ND	0	2.65
10/28/2008	stain	0	1.37	0.2	stain	0	3.92	0.7	2.73	0.35	ND	0	7.88	1	1.4	0.3	ND	0	ND	0	2.55
11/11/2008	stain	0	1.48	0.2	stain	0	3.9	0.7	2.78	0.35	ND	0	8.15	1	1.33	0.25	ND	0	ND	0	2.5
11/25/2008	stain	0	1.35	0.2	stain	0	3.79	0.75	2.37	0.4	ND	0	7.84	1.1	1.04	0.25	ND	0	ND	0	2.7
12/13/2008	stain	0	1.43	0.2	stain	0	3.99	0.7	2.66	0.4	ND	0	7.97	1.2	1.13	0.2	ND	0	ND	0	2.7
12/23/2008	stain	0	1.38	0.2	stain	0	3.68	0.7	2.17	0.4	ND	0	8.34	0.8	1.12	0.2	ND	0	ND	0	2.3
1/6/2009	stain																				

Hawthorn Group Passive NAPL Recovery (Page 4 of 4)

Well	HG-9S		HG-10S		HG-10D		HG-11S		HG-12S		HG-12D		HG-15S		HG-16S		HG-16D		FW-6		Total Vol. removed (gal)
	Date	Thickness (ft)	Vol. Removed (gal)																		

Other dates used Bailer & Interface Probe

ND indicates NAPL not detected

NM indicates measurement not taken

Stain indicates that NAPL stained measurement probe, but thickness was unmeasurable

Blank indicated no measured DNAPL removal

10/25/05 began two-week schedule

5/17/06 used low-flow pump (as opposed to the bailer)

7/10/07 RH performed bailing

11/13/07 New Heron Oil/Water Interface Probe (H01L/SM01L) now in use

3/4/08 through 8/25/08 Key Environmental pumping well running 8 ft away from HG-10S and HG-10D

12/23/08 Michael Toundas performed DNAPL recovery

2/3/2009 difficulties with obtaining DNAPL/water interface with new tape

3/18/09 - only performed DNAPL recovery at HG-15S

Cabot Carbon/Koppers Site: Combined Beazer USEPA Schedule (DRAFT FOR DISCUSSION)

Cabot Carbon/Koppers Site: Combined Beazer USEPA Schedule (DRAFT FOR DISCUSSION)

ID	Task Name	Duration	Start	Finish	Predecessors
1	Complete 2006 5-Year Review Tasks	850 days	5/1/06	8/28/09	
2	Recmnd. #1 - Evaluate Surficial Aquifer Extraction System	741 days	8/1/06	6/29/09	
3	Beazer Evaluation	104 days	8/1/06	12/22/06	
4	Beazer Evaluation Submittal (12/22/06 letter)	0 days	12/22/06	12/22/06	3
5	GRU Comments Transmittal (3/27/07 letter)	0 days	3/27/07	3/27/07	
6	USEPA Comments Transmittal (4/2/07 email)	0 days	4/2/07	4/2/07	
7	Phone Conference: O'Steen/Erickson, After Surficial Resample	0 days	6/1/07	6/1/07	
8	Discuss Surficial Results - Implications on Extraction System	0 days	3/12/08	3/12/08	195FS+5 days
9	Beazer Prepare Plan for Extraction System & Monitoring	139 days	3/12/08	9/25/08	8
10	Beazer Submit Plan	0 days	9/25/08	9/25/08	9
11	USEPA/Stakeholder Review	26 days	9/26/08	10/31/08	10
12	USEPA Comment Letter	0 days	10/31/08	10/31/08	11
13	Beazer Prepare Responses and Revise Workplan	49 days	11/3/08	1/16/09	12
14	Beazer Submit Revised Workplan	0 days	1/16/09	1/16/09	13
15	USEPA Approval of Work Plan	0 days	1/16/09	1/16/09	14
16	Surficial Aquifer Extraction System Modification	115 days	1/19/09	6/29/09	
17	Contracting	29 days	1/19/09	2/26/09	15
18	Dischrg Permit Notification	0 days	3/16/09	3/16/09	
19	Design & Logistics	33 days	1/19/09	3/4/09	15
20	Koppers Excavation	5 days	3/30/09	4/3/09	
21	Treatment Plant Equipment procurement	7 wks	3/2/09	4/17/09	18FS-10 days
22	Mobilization	1 day	3/9/09	3/9/09	
23	Site Preparation	4 days	3/10/09	3/13/09	22
24	Build Stockpile/Solidifying Area	9 days	3/16/09	3/26/09	23
25	Platform / Pretrench	3 days	3/27/09	3/31/09	24
26	One Pass Trenching	12 days	4/7/09	4/22/09	25
27	Haul Spoils & Solidify	28 days	4/8/09	5/15/09	26FS-11 days, 2C
28	Utility Piping	12 days	4/23/09	5/8/09	26
29	Haul Solidified Matl & Place in Trench	5 days	4/23/09	4/29/09	26
30	Treatment Plant Pad	20 days	4/20/09	5/15/09	23
31	General Clean up	3 days	5/18/09	5/20/09	27
32	Demobilization	1 day	5/21/09	5/21/09	31
33	Treatment Plant Equipment installation	10 days	6/2/09	6/15/09	21,30FS+10 days
34	Treatment Plant Testing	5 days	6/16/09	6/22/09	33
35	System testing	5 days	6/23/09	6/29/09	28,34
36	Operation commencement	0 days	6/29/09	6/29/09	35,34
37					
38	Recmnd. #2 - Sediment and Surface Water Sampling	768 days	5/5/06	5/8/09	
39	ACEPD Off-Site Sediment Data 1994-2000 Transmittal	0 days	5/5/06	5/5/06	
40	ACEPD Off-Site Water/Sediment Data Sep 2006 Transmittal	0 days	12/13/06	12/13/06	
41	Beazer Soil & Sediment Data Summary Report Submittal (3/30/07)	0 days	3/30/07	3/30/07	
42	RECOMMENDATION RESPONSE COMPLETED	0 days	3/30/07	3/30/07	41
43	ACEPD Sediment Reconnaissance Investigation	8 days	12/8/08	12/17/08	
44	ACEPD Sediment Sampling (Beazer Split Samples)	5 days	1/26/09	1/30/09	
45	ACEPD & Beazer Analysis of Results	70 days	2/2/09	5/8/09	44
46	Sediment Sampling Data Reports	0 days	5/8/09	5/8/09	45
47					
48	Recmnd. #3 - Hawthorn Investigation	706 days	11/17/06	8/28/09	
49	Beazer Updated Site Stratigraphy Submittal (11/17/06 letter)	0 days	11/17/06	11/17/06	
50	EPA Additional Monitoring Request (3/1/07 letter)	0 days	3/1/07	3/1/07	
51	Beazer Prepare Hawthorn Investigation Plan	23 days	3/1/07	4/2/07	50
52	Beazer Hawthorn Investigation Plan Submittal (3/31/07 Workplan)	0 days	4/2/07	4/2/07	51
53	USEPA/Stakeholder Review	31 days	4/3/07	5/15/07	52
54	ACEPD Comments on Hawthorn Investigation WP (5/9/07 letter)	0 days	5/9/07	5/9/07	
55	USEPA Comments on Hawthorn Investigation (5/15/07 email)	0 days	5/15/07	5/15/07	53
56	Resolution of Issues	19 days	5/16/07	6/12/07	55
57	Beazer Submit Revised Workplan (6/12/07)	0 days	6/12/07	6/12/07	56
58	USEPA Comment Letter (6/29/07)	0 days	6/29/07	6/29/07	57
59	Beazer Submit Revised #2 Workplan (7/20/07)	0 days	7/20/07	7/20/07	58
60	USEPA Approval of Work Plan	0 days	8/7/07	8/7/07	59FS+6 days
61	Beazer Carry Out Work Plan	173 days	7/10/07	3/14/08	

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Cabot Carbon/Koppers Site: Combined Beazer USEPA Schedule (DRAFT FOR DISCUSSION)

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Cabot Carbon/Koppers Site: Combined Beazer USEPA Schedule (DRAFT FOR DISCUSSION)

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Summary

Cabot Carbon/Koppers Site: Combined Beazer USEPA Schedule (DRAFT FOR DISCUSSION)

Cabot Carbon/Koppers Site: Combined Beazer USEPA Schedule (DRAFT FOR DISCUSSION)

ID	Task Name	Duration	Start	Finish	Predecessors
184	USEPA/Stakeholder Review	28 days	10/31/06	12/7/06	183
185	USEPA Comment Letter (12/7/06)	0 days	12/7/06	12/7/06	184
186	Beazer Update Workplan	85 days	12/8/06	4/6/07	185
187	Beazer Submit Responses & Revised Workplan (4/6/07)	0 days	4/6/07	4/6/07	186
188	USEPA/Stakeholder Review	36 days	4/9/07	5/29/07	187
189	USEPA Approval of Surficial Redevelopment/Sampling Workplan	0 days	5/29/07	5/29/07	188
190	Beazer Conduct Workplan	95 days	7/16/07	11/28/07	
191	Redevelopment	10 days	7/16/07	7/27/07	189
192	Sampling	10 days	7/30/07	8/10/07	191
193	Analysis	15 days	8/13/07	8/31/07	192
194	Report Prep & Review	12 wks	9/4/07	11/28/07	193
195	Beazer Submit Data Report (12/3/07)	0 days	12/3/07	12/3/07	194
196	RECOMMENDATION RESPONSE COMPLETED	0 days	12/3/07	12/3/07	195
197					
198	Recmnd. #11 - Reevaluate COCs	463 days	7/31/07	5/29/09	
199	Technical Risk Assessment Conference Call	0 days	7/31/07	7/31/07	
200	Resolve Path Forward for Risk & Cleanup Criteria	5 wks	12/3/07	1/9/08	100,195,228
201	USEPA & Beazer Analyze Risk and Develop Criteria	307 days	3/13/08	5/29/09	200
202	Meeting to Discuss Approach	0 days	3/13/08	3/13/08	
203	Beazer Prepare Approach Document - On-Site Soils	72 days	3/13/08	6/23/08	202
204	Beazer Submit HHRA On-Site Soil Approach	0 days	6/23/08	6/23/08	203
205	EPA/Stakeholder Review	35 days	6/24/08	8/12/08	204
206	Beazer provide Supporting Details (MEE & RAF)	0 days	7/23/08	7/23/08	
207	Review/Discussion of Issues	30 days	8/13/08	9/24/08	205
208	Beazer Prepare HHRA for on-Site Soils	85 days	9/25/08	1/29/09	207
209	Beazer Submit HHRA for on-Site Soils	0 days	1/29/09	1/29/09	208
210	Beazer Submit Responses to Prior Comments	0 days	2/20/09	2/20/09	
211	EPA/Stakeholder Review	70 days	1/30/09	5/7/09	209
212	Resolution of Issues	15 days	5/8/09	5/29/09	211
213	FDEP/EPA conference on Dioxins/Furans	0 days	5/7/08	5/7/08	
214	FDEP/EPA/Beazer Approach Meeting	0 days	6/30/08	6/30/08	
215	FDEP/EPA/Beazer Progress Conf. Call	0 days	8/25/08	8/25/08	
216	USEPA Issue Cleanup Criteria	0 days	5/29/09	5/29/09	212
217					
218	Recmnd. #12 - Surface Soil Delineation	767 days	7/10/06	7/14/09	
219	USEPA Review of 2/8/06 Workplan	39 days	7/10/06	8/31/06	
220	USEPA Comment Letter	0 days	8/31/06	8/31/06	219
221	Beazer Update of Workplan	17 days	9/1/06	9/25/06	220
222	Beazer Submit Comment Responses and Revised Workplan (9/25/06)	0 days	9/25/06	9/25/06	221
223	Beazer Update of Workplan Based on Additional Comments (10/31/06)	0 days	10/31/06	10/31/06	
224	Beazer Notification of Intent to Implement Workplan (11/16/06 letter)	0 days	11/16/06	11/16/06	
225	Beazer Conduct Work Plan	88 days	11/28/06	3/30/07	
226	Beazer Soil & Sediment Data Summary Report Submittal (3/30/07)	0 days	3/30/07	3/30/07	225
227	Beazer Resolve and Correct Data	120 days	4/2/07	9/19/07	226
228	Beazer Submit Addendum to Data Summary Report	0 days	10/17/07	10/17/07	227
229	Beazer Prepare Off-Site Sampling Workplan	91 days	6/2/08	10/8/08	
230	Beazer Submit Off-Site Sampling Workplan	0 days	10/8/08	10/8/08	229
231	Beazer Prepare QAPP	44 days	10/9/08	12/11/08	230
232	Beazer Submit QAPP	0 days	12/11/08	12/11/08	231
233	USEPA/Stakeholder Review of Workplan	52 days	10/9/08	12/23/08	230
234	Beazer/USEPA/Stakeholder Call to Discuss Comments	0 days	12/18/08	12/18/08	
235	EPA Conditional Approval of Workplan	0 days	12/23/08	12/23/08	233
236	Beazer Submit Responses to Comments & Workplan Revision	0 days	1/7/09	1/7/09	
237	Beazer Conduct Off-Site Sampling & Analysis	61 days	2/6/09	5/1/09	
238	Field Identify Sampling Locations	1 day	2/6/09	2/6/09	235
239	Sampling	5 days	2/9/09	2/13/09	238
240	Analysis & Reporting	55 days	2/16/09	5/1/09	239
241	Beazer Submit Off-Site Sampling Report	0 days	5/1/09	5/1/09	240
242	USEPA/Stakeholder Review	25 days	5/4/09	6/8/09	241
243	Resolution of Issues	25 days	6/9/09	7/14/09	242
244					

Date: 4/20/09
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Summary

Cabot Carbon/Koppers Site: Combined Beazer USEPA Schedule (DRAFT FOR DISCUSSION)

